

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2005/000199

A. CLASSIFICATION OF SUBJECT MATTER
C12N15/10 C12P21/02

According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, Sequence Search, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/083427 A (NUEVOLUTION A/S; FRANCH, THOMAS; JACOBSEN, SOREN, NYBOE; RASMUSSEN, T) 30 September 2004 (2004-09-30) claims 130-136; figures 11-16 -----	1-178
P, X	WO 2004/056994 A (GOULIAEV ALEX HAAHR ; FRANCH THOMAS (DK); HOLTMANN ANETTE (DK); NUEVOL) 8 July 2004 (2004-07-08) claims 1-117; figures 1-37 -----	1-178
A	WO 2004/013070 A (NUEVOLUTION A/S; PEDERSEN, HENRIK) 12 February 2004 (2004-02-12) the whole document ----- -/-	1-178

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the International search report

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Name and mailing address of the ISA

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PCT/DK2005/000199

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/078625 A (NUEVOLUTION A/S; PEDERSEN, HENRIK; HOLTMANN, ANETTE; FRANCH, THOMAS; G) 25 September 2003 (2003-09-25) the whole document -----	1-178
A	WO 02/103008 A (GOUILAEV ALEX HAAHR ; NOERREGAARD-MADSEN MADS (DK); SLOEK FRANK ABILGA) 27 December 2002 (2002-12-27) cited in the application claims 1,77,78,104-132; figures 5-7 -----	1-178
A	WO 2004/016767 A (HARVARD COLLEGE) 26 February 2004 (2004-02-26) cited in the application claims 1-103; figures 9,30-32,52-54,59,61 -----	1-178
A	WO 02/074929 A (KANAN MATTHEW W; GARTNER ZEV J ; LIU DAVID R (US); HARVARD COLLEGE (US)) 26 September 2002 (2002-09-26) cited in the application the whole document -----	1-178
A	WO 00/61775 A (SERGEEV, PAVEL) 19 October 2000 (2000-10-19) the whole document -----	1-178
A	WO 00/23458 A (UNIV LELAND STANFORD JUNIOR) 27 April 2000 (2000-04-27) cited in the application the whole document -----	1-178

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.
PCT/US2005/000199

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2004083427	A	30-09-2004	EP	1608748 A2		28-12-2005
WO 2004056994	A	08-07-2004	AU	2003291964 A1		14-07-2004
WO 2004013070	A	12-02-2004	AU EP	2003247266 A1 1539980 A2		23-02-2004 15-06-2005
WO 03078625	A	25-09-2003	AU JP	2003214031 A1 2005521365 T		29-09-2003 14-07-2005
WO 02103008	A	27-12-2002	CA CN EP JP	2451524 A1 1539014 A 1402024 A2 2004535193 T		27-12-2002 20-10-2004 31-03-2004 25-11-2004
WO 2004016767	A	26-02-2004	AU CA EP JP	2003263937 A1 2495881 A1 1540013 A2 2005536234 T		03-03-2004 29-02-2004 15-06-2005 02-12-2005
WO 02074929	A	26-09-2002	CA EP JP US US US US US	2441820 A1 1423400 A2 2004536162 T 2003113738 A1 2005233381 A1 2005227281 A1 2005025766 A1 2005042669 A1 2005142583 A1		26-09-2002 02-06-2004 02-12-2004 19-06-2003 20-10-2005 13-10-2005 03-02-2005 24-02-2005 30-06-2005
WO 0061775	A	19-10-2000	AU CA EP US	2951599 A 2403209 A1 1208219 A1 2003104389 A1		14-11-2000 19-10-2000 29-05-2002 05-06-2003
WO 0023458	A	27-04-2000	AU CA EP	1318400 A 2346989 A1 1123305 A1		08-05-2000 27-04-2000 16-08-2001